JENNIFER M. GRANHOLM

GOVERNOR

STATE OF MICHIGAN

DEPARTMENT OF NATURAL RESOURCES



LANSING

February 27, 2009

The Honorable Michelle McManus, Chair Senate Appropriations Subcommittee on Natural Resources S-2 Capitol Building P.O. Box 30036 Lansing, Michigan 48909-7536 The Honorable Michael Lahti, Chair House Appropriations Subcommittee on Natural Resources House Office Building P.O. Box 30014 Lansing, Michigan 48909-7514

Dear Senator McManus and Representative Lahti:

The following report on the status of the permits and water level of Muskrat Lake is provided pursuant to Section 226, PA 252 of 2008.

In May of 2007, the Clinton County Conservation District submitted a Department of Environmental Quality (DEQ) permit application for the project. DEQ considered the application incomplete due to a lack of documentation from the landowner, the Department of Natural Resources (Department).

In December 2007, the Department's Wildlife and Fisheries Divisions agreed to a compromise project and forwarded a letter to the conservation district authorizing them to apply for the permit on Department lands. The final design was a rock arch rapids which incorporated fish passage and minimal water flows and minimal maintenance due to the rock construction.

The permit was denied by DEQ on April 18, 2008, based on input from the public.

The conservation district contested the permit denial. Since then, DEQ, the applicant, and his consultants, have met periodically in an effort to seek an informal resolution of the appeal. As of January 12, 2009, DEQ has not received a response from the applicant. The Department will upgrade the boating access site once the lake level has been determined.

An estimate of water levels (based on historic aerial photos and recent measurements) is provided below. During most of the year, water levels are below the last pad on the ramp. During flood events, water levels peak near the top pad of the ramp.

Muskrat Lake Water Level Estimates (1950-2009)

		Approx.	
Date	Water Location	Elevation*	Comment
06/18/1950		~758	Comparison of air photo to USGA Quad
10/28/1956		~758	Comparison of air photo to USGA Quad
06/16/1964		~757.5	Comparison of air photo to USGA Quad
1965		758	USGS 7.5 Minute Quadrangle Map

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07/17/1973		~758	Comparison of air photo to USGA Quad
08/21/1978		~758	Comparison of air photo to USGA Quad
1985		~759	Comparison of air photo to USGA Quad
04/02/1991		~760	Comparison of air photo to USGA Quad
			Comparison of air photo to USGA Quad, highest
05/07/1993		~762	water in any air photo
05/12/1995		~759	Comparison of air photo to USGA Quad
04/23/1998		~ 759	Comparison of air photo to USGA Quad
07/11/1999		~758	Comparison of air photo to USGA Quad
	2.4' below 8th slab of		
10/24/2003	ramp	~759.6	NRCS measurement-assuming 8th slab is 760
	bottom of top pad,		Peak of flood after record May rainfalls-fell about
05/24/2004	east end	~761.8	0.5' daily afterward
Leaf-On 2005		~757.5	Comparison of air photo to USGA Quad
	17' 5" south of SE		
12/08/2009	corner of bottom pad	~757	
	1.5" above top of NE		
12/28/2008	corner of top pad	~761.8	1 day after thaw, with significant flooding
	23 ' south of top of NE		
01/02/2009	corner of top pad	~759	6 days after thaw-ice on slope
01/09/2009		757.87	DEQ measurement

^{*}Feet above National Geodetic Vertical Datum of 1929

If you have questions, please contact me.

Sincerely,

Sharon M. Schafer, Chief Budget and Support Services 517-335-3276

cc: Senate Appropriations Subcommittee Members

House Appropriations Subcommittee Members

Ms. Jessica Runnels, Senate Fiscal Agency

Dr. Kirk Lindquist, House Fiscal Agency

Mr. Robert Emerson, State Budget Director, Department of

Management and Budget (DMB)

Mr. Jacques McNeely, DMB

Ms. Jennifer Harrison, DMB

Director Rebecca Humphries, DNR

Ms. Arminda Koch, Resource Management Deputy, DNR

Mr. Rodney Stokes, Chief of Staff, DNR

Mr. Daniel Eichinger, Legislative Liaison, DNR

Dr. Russ Mason, DNR